

**Claims:**

**What is claimed is:**

1. A method to reconfigure r/c model vehicle battery systems comprising: connecting standard r/c connectors to mate with the standard connectors attached to ESC and motor devices configured to accept different number of battery cells in serial and parallel wiring configurations.
2. The method of claim 1 further comprising different standard r/c connectors for the various battery subsystems so that different models can share the same battery subsystems even though each model has different standard r/c connectors.
3. The method of claim 1 further comprising individual cells in a battery subsystem to be discharged and/or recharged through an electrical interface connected to a battery charging system.
4. The method of claim 1 further comprising of an electronic switch located internally to a battery subsystem to allow individual or groups of battery cells to be discharged and/or recharged based on electronic control signals that emanate from a control system connected to the battery charging system.
5. The method of claim 1 further comprising of an electronic switch located external to a battery subsystem to allow individual or groups of battery cells to be discharged and/or recharged based on electronic control signals that emanate from a control system connected to the battery charging system.
6. An apparatus to reconfigure r/c model vehicle battery systems comprising: standard r/c connectors mated with standard connectors attached to ESC and motor devices configured to accept different number of battery cells in serial and parallel wiring configurations.
7. The apparatus of claim 6 further comprising of different standard r/c connectors for the various battery subsystems so that different models can share the same battery subsystems even though each model has different standard r/c connectors.
8. An apparatus of claim 6 further comprising of individual cells in a battery subsystem to be discharged and/or recharged through an electrical interface connected to a battery charging system.
9. An apparatus of claim 6 further comprising of an electronic switch located internally to a battery subsystem to allow individual or groups of battery cells to be discharged and/or recharged based on electronic control signals that emanate from a control system connected to the battery charging system.
10. An apparatus of claim 6 further comprising of an electronic switch located external to a battery subsystem to allow individual or groups of battery cells to be discharged and/or recharged based on electronic control signals that emanate from a control system connected to the battery charging system.